

AMENDMENTS TO THE SPECIFICATION

Amend Paragraph 0015 as follows:

[0015] Referring now to FIGS. 2-5, core 130 may comprise a plurality of plate pairs 132 stacked with one another along a stacking axis, such as stacking axis 134 extending through inlet and outlet plena 124, 126 of NFHX 120. Each plate pair generally comprises a heat-exchanger plate 136 and a spacer plate 138. Although FIG. 3 shows only one plate pair 132, it is to be understood that core 130 will typically contain many of such plate pairs, e.g., 50 pairs or more, stacked in registration with one another to form the various below-described passageways therein. When properly stacked, the plurality of plate pairs 132 form an impervious heat transfer layer 139 that is impervious to a working fluid (not shown) contained within core 130. The plurality of plate pairs 132 may define three inlet manifolds 140 extending the length of core 130, four outlet manifolds 142 extending the length of the core and a plurality of interconnecting channels 144 fluidly communicating with at least one inlet manifold at one end and at least one outlet manifold at the opposite end. One skilled in the art will recognize that the particular number of inlet and outlet manifolds shown is merely illustrative. Any number of inlet and outlet manifolds may be provided. In addition, one skilled in the art will understand that the terms "inlet" and "outlet" as used in herein, and in the claims appended hereto, are interchangeable with one another. For example, what is designated as an inlet manifold for flow in one direction will become an outlet manifold for flow in the opposite direction.

[Add new Paragraph 0015.1 as follows:]

As those skilled in the art will appreciate, the region of core 130 containing inlet and outlet manifolds 140, 142 may be considered a "manifold region" of the core. Similarly, those skilled in the art will also appreciate that the structure of core 130 (described below) that defines interconnecting channels 144 may be considered a "permeable matrix" through which the working fluid flows between inlet manifolds 140 and outlet manifolds 142. Those skilled in the art will recognize that the particular number of inlet and outlet manifolds 140, 142 shown is merely illustrative. Any number of inlet and outlet manifolds may be provided. In addition, one skilled in the art will understand that the terms "inlet" and "outlet" as used herein, and in the claims appended hereto, are interchangeable with one another. For example, what is designated as an inlet manifold for flow in one direction will become an outlet manifold for flow in the opposite direction.